L Number	Hits	Search Text	DB	Time stamp
15	6623	holding near voltage$1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 10:48
16	0	((holding near voltage$1) with (electromechanical near valve$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 10:49
17	3	((holding near voltage$1) and (electromechanical near valve$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 10:51
18	73	((holding and voltage$1) and (electromechanical near valve$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 10:51
19	11	((holding with voltage$1) and (electromechanical near valve$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 10:54
20	22	((hold$3 keep$3) with voltage$1) and (electromechanical near valve$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:00
21	5755	(hold$3 with voltage$1) and (valve$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:01
22	1433	(hold$3 with voltage$1) and (valve$1).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:01
23	270	(hold$3 with voltage$1) and (valve$1).ab. and (decreas$3 same current$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:02
24	124	(hold$3 with voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:03
25	57	(hold$3 near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:06
26	34	(hold$3 near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and solenoid$1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:07
27	12	(hold$3 near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and solenoid$1 and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:16
28	24	((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and solenoid$1 and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:30
29	0	(((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and solenoid$1 and polarit$3) and ((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) not solenoid$1 and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:28

30	24	(((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and solenoid$1 and polarit$3) and ((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:29
31	5	(((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and solenoid$1 and polarit$3) and ((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (amplitude$1)) and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:30
32	5	((hold$3 constant$1) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (amplitude$1)) and solenoid$1 and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:32
33	5	((hold$3) near3 voltage$1) and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (amplitude$1)) and solenoid$1 and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:32
37	0	(361/194).ccls. and (valve$1).ab. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 11:49
38	2	(361/194).ccls. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 12:05
45	61	(361/160,152,154,210,187,206).ccls. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and polarit$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 12:07
46	7	(361/160,152,154,210,187,206).ccls. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1)) and polarit$3 and (hold$3 near voltage$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 14:02
47	8	(361/160,152,154,210,187,206).ccls. and (decreas$3 same current$1) and ((predetermin$4 pre-determin$4) with (time amplitude$1 magnitude$1)) and polarit$3 and (hold$3 near voltage$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 14:03
49	12	(thomas near megli).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 15:15
50	111	(yan near wang).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 15:15
48	29	(mohammad near haghgooie).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 15:15
-	10174	valve same solenoids	USPAT; US-PGPUB; DERWENT	2004/04/21 14:06
-	132	(valve same solenoids) and ((chang$3 or alter$3 or modify$3) same polarity)	USPAT; US-PGPUB; DERWENT	2004/04/21 15:24

~	4	(valve same solenoids) and ((chang$3 or alter$3 or modify$3) same polarity) and (induced near5 current) and ((holding or keeping) same voltage)	USPAT; US-PGPUB; DERWENT	2004/04/21 15:45
~	118	valve$1 and solenoid$1 and voltage$1 and (induced near5 current) and polarity	USPAT; US-PGPUB; DERWENT	2004/04/21 15:47
~	81	(control$4 near3 valve$1) and solenoid$1 and voltage$1 and (induced near5 current) and polarity	USPAT; US-PGPUB; DERWENT	2004/04/21 15:48
~	14	(control$4 near3 valve$1) and solenoid$1 and voltage$1 and (measur$3 same (induced near5 current) and polarity	USPAT; US-PGPUB; DERWENT	2004/04/21 16:15
~	13	(control$4 near3 valve$1) and solenoid$1 and voltage$1 and (measur$3 same (induced near5 current)) and polarity and (decreas$3 or reduc$3)	USPAT; US-PGPUB; DERWENT	2004/04/21 16:15
~	4	(solenoids and (voltage with polarit$3) and ((((hold$3 keep$3) near4 voltage$1) with (pre-determined predetermined))) same (decreas$3 with current$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/05 10:03

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